☐ **1:** NP_115972. ATP-binding casse...[gi:21729873] Links

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LOCUS       ABCC11                  1382 aa            linear   PRI 05-NOV-2002
DEFINITION  ATP-binding cassette, sub-family C, member 11 isoform a;
            multi-resistance protein 8; ATP-binding cassette transporter MRP8;
            ATP-binding cassette protein C11 [Homo sapiens].
ACCESSION   NP_115972
VERSION     NP_115972.2  GI:21729873
DBSOURCE    REFSEQ: accession NM_032583.2
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (residues 1 to 1382)
  AUTHORS   Dean,M., Rzhetsky,A. and Allikmets,R.
  TITLE     The human ATP-binding cassette (ABC) transporter superfamily
  JOURNAL   Genome Res. 11 (7), 1156-1166 (2001)
  MEDLINE   21329047
   PUBMED   11435397
REFERENCE   2  (residues 1 to 1382)
  AUTHORS   Tammur,J., Prades,C., Arnould,I., Rzhetsky,A., Hutchinson,A.,
            Adachi,M., Schuetz,J.D., Swoboda,K.J., Ptacek,L.J., Rosier,M.,
            Dean,M. and Allikmets,R.
  TITLE     Two new genes from the human ATP-binding cassette transporter
            superfamily, ABCC11 and ABCC12, tandemly duplicated on chromosome
            16q12
  JOURNAL   Gene 273 (1), 89-96 (2001)
  MEDLINE   21376129
   PUBMED   11483364
REFERENCE   3  (residues 1 to 1382)
  AUTHORS   Bera,T.K., Lee,S., Salvatore,G., Lee,B. and Pastan,I.
  TITLE     MRP8, a new member of ABC transporter superfamily, identified by
            EST database mining and gene prediction program, is highly
            expressed in breast cancer
  JOURNAL   Mol. Med. 7 (8), 509-516 (2001)
  MEDLINE   21475973
   PUBMED   11591886
REFERENCE   4  (residues 1 to 1382)
  AUTHORS   Yabuuchi,H., Shimizu,H., Takayanagi,S. and Ishikawa,T.
  TITLE     Multiple splicing variants of two new human ATP-binding cassette
            transporters, ABCC11 and ABCC12
  JOURNAL   Biochem. Biophys. Res. Commun. 288 (4), 933-939 (2001)
  MEDLINE   21547789
   PUBMED   11688999
COMMENT     REVIEWED REFSEQ: This record has been curated by NCBI staff. The
            reference sequence was derived from AF367202.1.
            On Jul 11, 2002 this sequence version replaced gi:14211905.
            Summary: The protein encoded by this gene is a member of the
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superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This ABC full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. It is expressed at low levels in all tissues, except kidney, spleen, and colon. This gene and family member ABCC12 are determined to be derived by duplication and are both localized to chromosome 16q12.1. Their chromosomal localization, potential function, and expression patterns identify them as candidates for paroxysmal kinesigenic choreoathetosis, a disorder characterized by attacks of involuntary movements and postures, chorea, and dystonia. Multiple alternatively spliced transcript variants have been described for this gene.
Transcript Variant: This variant (1), as well as variant 2, encodes the predominant isoform (a).

FEATURES Location/Qualifiers

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/db_xref="taxon:9606"
/chromosome="16"
/map="16q12.1"

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/note="multi-resistance protein 8; ATP-binding cassette transporter MRP8; ATP-binding cassette protein C11"

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/note="ABC_membrane"
/db_xref="CDD:pfam00664"

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/region_name="ATPases associated with a variety of cellular activities"
/note="AAA"
/db_xref="CDD:smart00382"

Region 537..708
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                     transporters are the largest family of proteins in many
                     completely sequenced bacteria. ABC transporters are
                     composed of two copies of this domain and two copies of a
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                     belong to a single polypeptide or belong in different
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                     /note="transporter"
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      121 svhdasdknv qrlhrlweee vsrrgiekas vllvmlrfqr trlifdallg icfciasvlg
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Revised: July 5, 2002.

Oct 31 2002 16:00:17